ABSTRACT

2   A hydrostatic measurement module senses elevation
relative to a fluid reservoir under a reference pressure. The
4   measurement module further includes a plurality of functions
and modes. A zero function sets the display to zero at any
6   selected benchmark elevation. One function allows the
invention to measure heights and elevations beyond its
8   physical reach. A hold function freezes stable display
values. A mark function sets upper/lower limit tones
10   described in the existing patent. A record function allows a
large number of measurements to be taken for real-time
12   calculation and display of average, minimum and maximum
values. A scale function can be used to select one of five
14   display scales. A resolution function permits more rapid
readings at lower precision. A temperature function displays
16   ambient temperature. A record data function is used to
accumulate 135 or more individual data points within the
18   measurement module or to download data as it is taken to a
computer. such as a pocket personal computer (PC). An
20   inspect/dump function allows downloading of stored recorded
data to a PC, or inspection of stored data as a function of
22   sequence and position. An elevation function can be used to
display any desired elevation to make readings easier to
24   correlate to drawings drafted in elevation relative to sea
level.